

Special Issue

Curcumin Derivatives and Curcuminoids as Theranostic Agents in Alzheimer's Disease

Message from the Guest Editor

Curcumin, curcumin analogues, derivatives, and curcuminoids exert several biological activities, including certain interesting therapeutic properties against Alzheimer's disease (AD). During the last decade, the scientific community has been focused on research into more efficient drugs to face neurological disorders. Furthermore, there is a need for more precise and accurate diagnostic agents. From this point of view, the invention of theranostic agents (both diagnostic and therapeutic) for neurodegenerative diseases will be of great significance, and the curcumin scaffold, which has been found to be a unique structure for a 2nd-generation A β PET tracer development, has the potential to play an important role in this. This Special Issue will comprise a selection of research papers and reviews offering knowledge on the design, synthesis, development, properties and special structural characteristics of curcumin derivatives and curcuminoids as theranostic agents (both therapeutic and diagnostic), new entities inserted in clinical applications, in vitro and in vivo studies, strategies and identification of the key biological processes in which these agents will be implicated.

Guest Editor

Prof. Dr. Dimitra Hadjipavlou-Litina

Department of Pharmaceutical Chemistry, School of Pharmacy, Aristotle University of Thessaloniki, 54124 Thessaloniki, Greece

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4052 Basel, Switzerland
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

Editor-in-Chief

Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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